

DATE

PROJECT

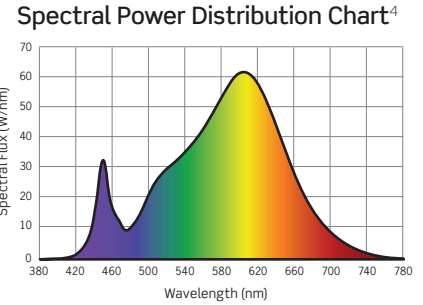
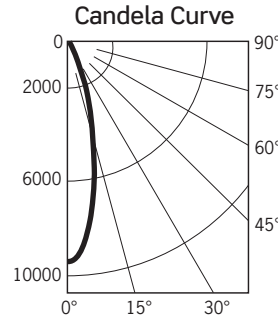
TYPE

# R4S SERIES | 4-Inch Round Shallow Downlight Photometrics

## R4SNC430KMVDM / C4322S-CLR

Fixture Delivered Lumens: 2949.2  
 Total Watts@120V: 28.4  
 Lumens Per Watt: 103.8  
 Center Beam Candle Power: 9461  
 Beam Distribution: 26.8°  
 Spacing Criterion: 0.47  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3047K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21072705  
 LM-79 Test No. S21072902

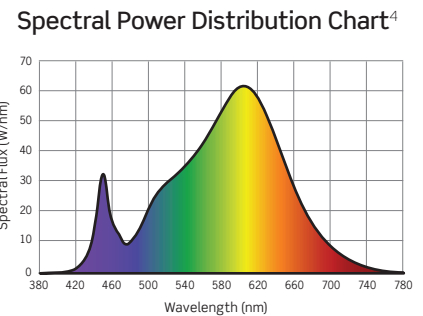
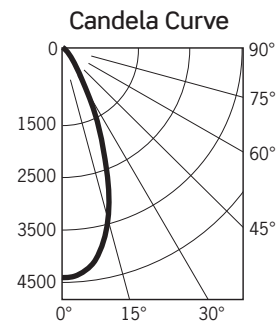
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	262.8	2.9
8 FT	147.8	3.8
10 FT	94.6	4.8
12 FT	65.7	5.7
14 FT	48.3	6.7
16 FT	37.0	7.6



## R4SNC430KMVDF / C4322S-CLR

Fixture Delivered Lumens: 3007.2  
 Total Watts@120V: 28.4  
 Lumens Per Watt: 105.9  
 Center Beam Candle Power: 4418  
 Beam Distribution: 44.8°  
 Spacing Criterion: 0.70  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3047K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21072701  
 LM-79 Test No. S21072902

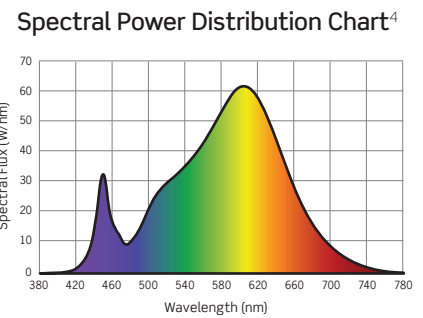
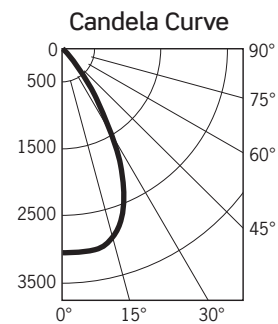
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	122.7	5.0
8 FT	69.0	6.6
10 FT	44.2	8.3
12 FT	30.7	9.9
14 FT	22.5	11.5
16 FT	17.3	13.2



## R4SNC430KMVDW / C4322S-CLR

Fixture Delivered Lumens: 3119.4  
 Total Watts@120V: 28.4  
 Lumens Per Watt: 109.8  
 Center Beam Candle Power: 3061  
 Beam Distribution: 60.6°  
 Spacing Criterion: 0.89  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3047K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21072706  
 LM-79 Test No. S21072902

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	85.0	7.0
8 FT	47.8	9.4
10 FT	30.6	11.7
12 FT	21.3	14.0
14 FT	15.6	16.4
16 FT	12.0	18.7



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

## PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			OUTPUT MULTIPLIERS			TRIM MULTIPLIERS	
CCT	STD CRI	HIGH CRI	SERIES 1 - 9W	SERIES 2 - 13W	SERIES 3 - 19W	C4322S-PL	C4322S-WHT
2700K	0.94	0.70	0.39	0.54	0.73	0.99	1.00
3000K	N/A	0.75					
3500K	1.0	0.81					
4000K	1.0	0.87					

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# R4S SERIES | 4-Inch Round Shallow Downlight Photometrics

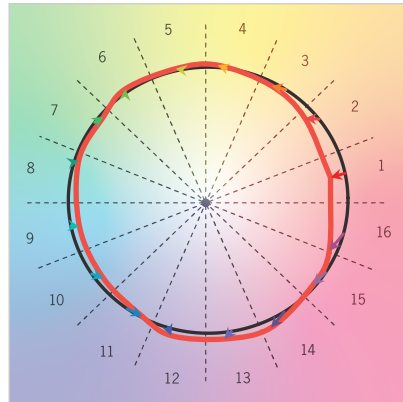
## TM-30 DATA: R4SNC430KMVDF / C4322S-CLR

ANSI/IES TM-30-18 Color Rendition Report Test No. S21072902

Colors are for visual orientation purposes only

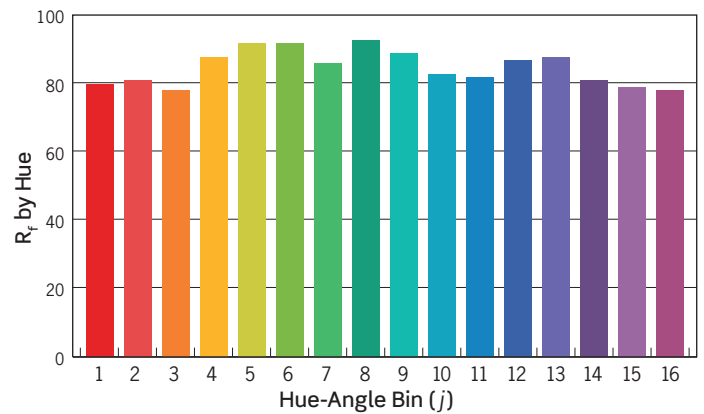
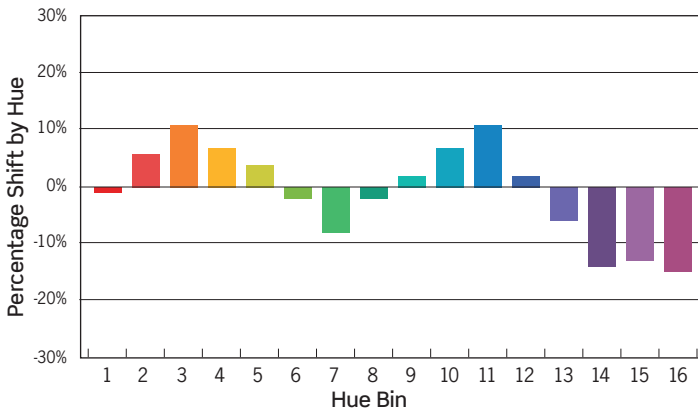
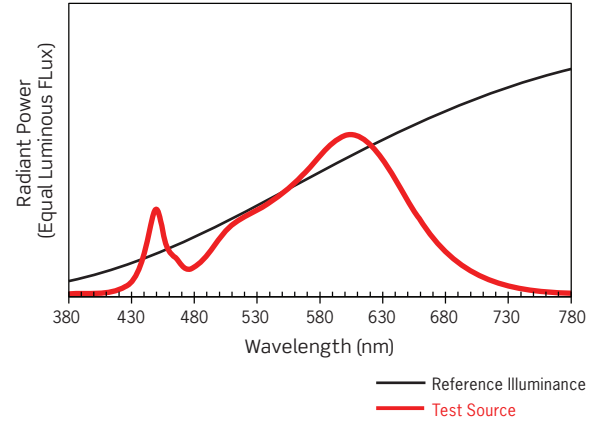
$R_f$	86
$R_g$	96
CCT(K)	3047K
$D_{uv}$	0.0024
$u^l$	0.2480
$v^l$	0.5238

Color Vector Graphic



— Reference Illuminance — Test Source

Spectral Power Distribution Comparison



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	10%	7%	4%	-2%	-7%	-1%	2%	7%	12%	3%	-6%	-14%	-13%	-15%
R <sub>f</sub> VALUE	81	83	80	89	93	94	88	94	90	84	83	86	89	82	80	79